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| Form PTO-1449 Equivalent | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DKT. NO. 500.43711X00 | SERIAL NO. 10/811,965 |
|  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | APPLICANT Shinichiro FUKUSHIMA <i>et al.</i> | |
| | | FILING DATE 30 March 2004 | GROUP 2188 |

U.S. PATENT DOCUMENTS

| Ex. Initial | Doc. No. | Date | Name | Class | Subclass | Filing Date |
|-------------|----------|-------------|------------|--------------|----------|-------------|
| JS | AA | 5,991,749 A | 11/23/1999 | Morrill, Jr. | | |
| JS | AB | 5,995,898 A | 11/30/1999 | Tuttle | | |
| JS | AC | 5,857,152 A | 01/05/1999 | Everett | | |
| | AD | | | | | |
| | AE | | | | | |
| | AF | | | | | |
| | AG | | | | | |
| | AH | | | | | |

U.S. PATENT APPLICATIONS

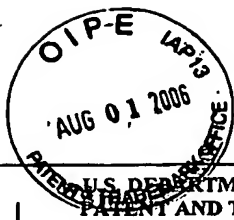
| | Publication Number | Name | Publication Date |
|----|--------------------|------|------------------|
| AI | | | |
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FOREIGN PATENT DOCUMENTS

| | Doc. No. | Date | Country | Class | Subclass | Translation/Abstract? | |
|----|----------|-------------|------------|-------|----------|-----------------------|----|
| | | | | | | Yes | No |
| JS | AM | 02/071311 A | 09/12/2002 | WO | | EP SR | |
| JS | AN | 00/45343 A | 08/03/2000 | WO | | EP SR | |
| JS | AO | 99/33027 A | 07/01/1999 | WO | | EP SR | |
| JS | AP | 2 291 724 A | 01/31/1996 | GB | | | |
| JS | AQ | 2 728 815 A | 03/03/2000 | FR | | EP SR | |

OTHER DOCUMENTS

| | |
|--------------------------------|-----------------------------------|
| AR | |
| AS | |
| AT | |
| Examiner /Jasmine Song/ | Date Considered 10/27/2006 |



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| | | FILING DATE March 30, 2004 | GROUP 21818 |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
|------------------|-----------------|------|------|-------|----------|-------------|
| | AA | | | | | |
| | AB | | | | | |
| | AC | | | | | |
| | AD | | | | | |
| | AE | | | | | |
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| | AH | | | | | |
| | AI | | | | | |
| | AJ | | | | | |
| | AK | | | | | |
| | AL | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation /Abstract | |
|------------------|-----------------|------------|---------|-------|----------|-----------------------|----|
| | | | | | | Yes | No |
| JS | AM | 2000-36744 | 7-5-00 | Korea | | X | |
| JS | AN | 2000-84043 | 11-4-02 | Korea | | X | |
| | AO | | | | | | |
| | AP | | | | | | |
| | AQ | | | | | | |
| | AR | | | | | | |
| | AS | | | | | | |
| | AT | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| | AU | |
| | AV | |
| | AW | |
| | AX | |
| | AY | |
| | AZ | |

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| Examiner | /Jasmine Song/ | Date Considered | 10/27/2006 |
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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | |
| | | | | Filing Date | |
| | | | | First Named Inventor | |
| | | | | Art Unit | |
| | | | | Examiner Name | |
| Sheet | 1 | of | 2 | Attorney Docket Number | 500.43711X00 |

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| FOREIGN PATENT DOCUMENTS | | | | | | |
|-----------------------------------|--------------------------|---|--------------------------------|--|---|---|
| Examiner Initials ¹ | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | † |
| | | Country Code ² -Number ³ -Kind Code ⁴ (if known) | | | | |
| JS | | JP-2002-247157 | 08-30-2002 | | | |
| JS | | JP-2002-329176 | 11-15-2002 | | | |
| JS | | JP-09-212585 | 08-15-1997 | | | |
| JS | | JP-08-115389 | 05-07-1996 | | | |
| JS | | JP-2002-150236 | 05-24-2002 | | | |

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| Substitute for form 1449/APTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (trece de manu cheste de necesitati) | | | | Complete if Known | |
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| | | | | First Named Inventor | |
| | | | | Art Unit | |
| | | | | Examiner Name | |
| Sheet | 2 | of | 2 | Attorney Docket Number | 500.43711X00 |

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| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|---|--------------------------------|--|---|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | † |
| | | Country Code ² -Number ³ -Kind Code ⁴ (if known) | | | | |
| JS | | JP-2002-222442 | 08-09-2002 | | | |
| JS | | JP-2003-016418 | 01-17-2003 | | | |
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| Examiner Signature | /Jasmine Song/ | Date Considered | 10/27/2006 |
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